



PCT10

## RAW SEQUENCE LISTING

DATE: 07/29/2002

PATENT APPLICATION: US/10/070,480A

TIME: 09:13:34

Input Set : A:\Seqkanel.txt

Output Set: N:\CRF3\07292002\J070480A.raw

**ENTERED**

3 <110> APPLICANT: KANEKA CORPORATION  
 5 <120> TITLE OF INVENTION: Stereostructure of Decarbamylase and Uses Thereof  
 7 <130> FILE REFERENCE: 12178/2  
 9 <140> CURRENT APPLICATION NUMBER: 10/070,480A  
 C--> 10 <141> CURRENT FILING DATE: 2002-07-08  
 12 <150> PRIOR APPLICATION NUMBER: PCT/JP00/05901  
 13 <151> PRIOR FILING DATE: 2000-08-30  
 15 <150> PRIOR APPLICATION NUMBER: 11-246797JP  
 16 <151> PRIOR FILING DATE: 1999-08-31  
 18 <160> NUMBER OF SEQ ID NOS: 2  
 20 <170> SOFTWARE: PatentIn Ver. 2.1  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 303  
 24 <212> TYPE: PRT  
 25 <213> ORGANISM: Agrobacterium sp.  
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 29 1 5 10 15  
 31 Ala Glu Thr Arg Glu Gln Val Val Val Arg Leu Leu Asp Met Leu Thr  
 32 20 25 30  
 34 Lys Ala Ala Ser Arg Gly Ala Asn Phe Ile Val Phe Pro Glu Leu Ala  
 35 35 40 45  
 37 Leu Thr Thr Phe Phe Pro Arg Trp His Phe Thr Asp Glu Ala Glu Leu  
 38 50 55 60  
 40 Asp Ser Phe Tyr Glu Thr Glu Met Pro Gly Pro Val Val Arg Pro Leu  
 41 65 70 75 80  
 43 Phe Glu Lys Ala Ala Glu Leu Gly Ile Gly Phe Asn Leu Gly Tyr Ala  
 44 85 90 95  
 46 Glu Leu Val Val Glu Gly Gly Val Lys Arg Arg Phe Asn Thr Ser Ile  
 47 100 105 110  
 49 Leu Val Asp Lys Ser Gly Lys Ile Val Gly Lys Tyr Arg Lys Ile Hi  
 50 115 120 125  
 52 Leu Pro Gly His Lys Glu Tyr Glu Ala Tyr Arg Pro Phe Gln His Leu  
 53 130 135 140  
 55 Glu Lys Arg Tyr Phe Glu Pro Gly Asp Leu Gly Phe Pro Val Tyr Asp  
 56 145 150 155 160  
 58 Val Asp Ala Ala Lys Met Gly Met Phe Ile Cys Asn Asp Arg Arg Trp  
 59 165 170 175  
 61 Pro Glu Ala Trp Arg Val Met Gly Leu Arg Gly Ala Glu Ile Ile Cys  
 62 180 185 190  
 64 Gly Gly Tyr Asn Thr Pro Thr His Asn Pro Pro Val Pro Gln His Asp  
 65 195 200 205  
 67 His Leu Thr Ser Phe His His Leu Leu Ser Met Gln Ala Gly Ser Tyr

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68      210      215      220
70 Gln Asn Gly Ala Trp Ser Ala Ala Ala Gly Lys Val Gly Met Glu Glu
71 225      230      235      240
73 Asn Cys Met Leu Leu Gly His Ser Cys Ile Val Ala Pro Thr Gly Glu
74      245      250      255
76 Ile Val Ala Leu Thr Thr Thr Leu Glu Asp Glu Val Ile Thr Ala Ala
77      260      265      270
79 Val Asp Leu Asp Arg Cys Arg Glu Leu Arg Glu His Ile Phe Asn Phe
80      275      280      285
82 Lys Gln His Arg Gln Pro Gln His Tyr Gly Leu Ile Ala Glu Leu
83      290      295      300
86 <210> SEQ ID NO: 2
87 <211> LENGTH: 303
88 <212> TYPE: PRT
89 <213> ORGANISM: E.coli
91 <400> SEQUENCE: 2
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93 1 5 10 15
95 Ala Glu Thr Arg Glu Gln Val Val Val Arg Leu Leu Asp Met Leu Thr
96 20 25 30
98 Lys Ala Ala Ser Arg Gly Ala Asn Phe Ile Val Phe Pro Glu Leu Ala
99 35 40 45
101 Leu Thr Thr Phe Phe Pro Arg Trp Tyr Phe Thr Asp Glu Ala Glu Leu
102 50 55 60
104 Asp Ser Phe Tyr Glu Thr Glu Met Pro Gly Pro Val Val Arg Pro Leu
105 65 70 75 80
107 Phe Glu Lys Ala Ala Glu Leu Gly Ile Gly Phe Asn Leu Gly Tyr Ala
108 85 90 95
110 Glu Leu Val Val Glu Gly Gly Val Lys Arg Arg Phe Asn Thr Ser Ile
111 100 105 110
113 Leu Val Asp Lys Ser Gly Lys Ile Val Gly Lys Tyr Arg Lys Ile His
114 115 120 125
116 Leu Pro Gly His Lys Glu Tyr Glu Ala Tyr Arg Pro Phe Gln His Leu
117 130 135 140
119 Glu Lys Arg Tyr Phe Glu Pro Gly Asp Leu Gly Phe Pro Val Tyr Asp
120 145 150 155 160
122 Val Asp Ala Ala Lys Met Gly Met Phe Ile Cys Asn Asp Arg Arg Trp
123 165 170 175
125 Pro Glu Ala Trp Arg Val Met Gly Leu Arg Gly Ala Glu Ile Ile Cys
126 180 185 190
128 Gly Gly Tyr Asn Thr Pro Thr His Asn Pro Glu Val Pro Gln His Asp
129 195 200 205
131 His Leu Thr Ser Phe His His Leu Leu Ser Met Gln Ala Gly Ser Tyr
132 210 215 220
134 Gln Asn Gly Ala Trp Ser Ala Ala Ala Gly Lys Ala Gly Met Glu Glu
135 225 230 235 240
137 Asn Cys Met Leu Leu Gly His Ser Cys Ile Val Ala Pro Thr Gly Glu
138 245 250 255
140 Ile Val Ala Leu Thr Thr Thr Leu Glu Asp Glu Val Ile Thr Ala Ala

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141	260								265					270			
143	Val	Asp	Leu	Asp	Arg	Cys	Arg	Glu	Leu	Arg	Glu	His	Ile	Phe	Asn	Phe	
144	275								280					285			
146	Lys	Gln	His	Arg	Gln	Pro	Gln	His	Tyr	Gly	Leu	Ile	Ala	Glu	Leu		
147	290								295					300			

VERIFICATION SUMMARY

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date